ELSEVIER

The Journal of Systems and Software 62 (2002) 217

The Journal of Systems and Software

www.elsevier.com/locate/jss

Contents Volume 62

Contents

The cost of errors in software development: evidence from industry
J.C. Westland 1

A testing approach for large system portfolios in industrial environments
R.R. Klösch, P.W. Glaser and R.J. Truschnegg 11

A survey of communication protocol testing
R. Lai 21

Designing a resourceful fault-tolerance system
R. Giguette and J. Hassell 47

Fundamental principles of software engineering – a journey
P. Bourque, R. Dupuis, A. Abran, J.W. Moore, L. Tripp and S. Wolff 59

Key success factors for implementing software process improvement: a maturity-based analysis
A. Rainer and T. Hall 71

Motivators of Software Process Improvement: an analysis of practitioners' views
N. Baddoo and T. Hall 85

Optimizing controllability of an interactive videoconferencing system with Web-based control interfaces
T.-C. Hou, C.-H. Yang and K.-J. Chen 97

Experimental analysis of specification language diversity impact on NPP software diversity
C.S. Yoo and P.H. Seong 111

Design of the Ajanta system for mobile agent programming
A.R. Tripathi, N.M. Karnik, T. Ahmed, R.D. Singh, A. Prakash, V. Kakani, M.K. Vora and M. Pathak 123

ViSta: a tool suite for the visualization of behavioral requirements
R. Castelló, R. Mili and I.G. Tollis 141

Heuristic approach for early separated filter and refinement strategy in spatial query optimization
H.-H. Park, H.-J. Cho and C.-W. Chung 161

A placement strategy of multimedia objects in multimedia information systems
Y.-F. Huang and J.-H. Lin 181

A public verifiable copy protection technique for still images
W.-B. Lee and T.-H. Chen 195

Convertible authenticated encryption scheme
T.-S. Wu and C.-L. Hsu 205

Security of Lin's image watermarking system
C.-K. Chan and L.M. Cheng 211